

NOV 06 2003

TECH CENTER 1600/2800



16

## RAW SEQUENCE LISTING

DATE: 10/30/2003

PATENT APPLICATION: US/09/882,781B

TIME: 15:10:50

Input Set : A:\HER0050.ST25.txt

Output Set: N:\CRF4\10302003\I882781B.raw

3 <110> APPLICANT: Kuhner, Carol H.  
4 Romesser, James A.  
6 <120> TITLE OF INVENTION: CHEMICALLY-MODIFIED PEPTIDES, COMPOSITIONS, AND METHODS OF  
7 PRODUCTION AND USE  
9 <130> FILE REFERENCE: HER-0050  
11 <140> CURRENT APPLICATION NUMBER: US 09/882,781B  
12 <141> CURRENT FILING DATE: 2001-06-15  
14 <150> PRIOR APPLICATION NUMBER: US 60/212,441  
15 <151> PRIOR FILING DATE: 2000-06-16  
17 <150> PRIOR APPLICATION NUMBER: PCT/US01/19400  
18 <151> PRIOR FILING DATE: 2001-06-15  
20 <160> NUMBER OF SEQ ID NOS: 32  
22 <170> SOFTWARE: PatentIn version 3.2  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 4  
26 <212> TYPE: PRT  
27 <213> ORGANISM: Artificial Sequence  
29 <220> FEATURE:  
30 <223> OTHER INFORMATION: Novel Sequence  
32 <400> SEQUENCE: 1  
34 Arg Trp Phe Arg  
35 1  
38 <210> SEQ ID NO: 2  
39 <211> LENGTH: 4  
40 <212> TYPE: PRT  
41 <213> ORGANISM: Artificial Sequence  
43 <220> FEATURE:  
44 <223> OTHER INFORMATION: Novel Sequence  
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48 Arg Trp Arg Phe  
49 1  
52 <210> SEQ ID NO: 3  
53 <211> LENGTH: 4  
54 <212> TYPE: PRT  
55 <213> ORGANISM: Artificial Sequence  
57 <220> FEATURE:  
58 <223> OTHER INFORMATION: Novel Sequence  
60 <400> SEQUENCE: 3  
62 Arg Trp Trp Arg  
63 1  
66 <210> SEQ ID NO: 4  
67 <211> LENGTH: 4  
68 <212> TYPE: PRT

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69 <213> ORGANISM: Artificial Sequence  
71 <220> FEATURE:  
72 <223> OTHER INFORMATION: Novel Sequence  
74 <400> SEQUENCE: 4  
76 Arg Arg Trp Phe  
77 1  
80 <210> SEQ ID NO: 5  
81 <211> LENGTH: 4  
82 <212> TYPE: PRT  
83 <213> ORGANISM: Artificial Sequence  
85 <220> FEATURE:  
86 <223> OTHER INFORMATION: Novel Sequence  
88 <400> SEQUENCE: 5  
90 Arg Trp Arg Trp  
91 1  
94 <210> SEQ ID NO: 6  
95 <211> LENGTH: 4  
96 <212> TYPE: PRT  
97 <213> ORGANISM: Artificial Sequence  
99 <220> FEATURE:  
100 <223> OTHER INFORMATION: Novel Sequence  
102 <400> SEQUENCE: 6  
104 Arg Phe Arg Trp  
105 1  
108 <210> SEQ ID NO: 7  
109 <211> LENGTH: 4  
110 <212> TYPE: PRT  
111 <213> ORGANISM: Artificial Sequence  
113 <220> FEATURE:  
114 <223> OTHER INFORMATION: Novel Sequence  
116 <400> SEQUENCE: 7  
118 Arg Arg Phe Trp  
119 1  
122 <210> SEQ ID NO: 8  
123 <211> LENGTH: 4  
124 <212> TYPE: PRT  
125 <213> ORGANISM: Artificial Sequence  
127 <220> FEATURE:  
128 <223> OTHER INFORMATION: Novel Sequence  
130 <400> SEQUENCE: 8  
132 Arg Trp Ala Arg  
133 1  
136 <210> SEQ ID NO: 9  
~~137 <211> LENGTH: 4~~  
138 <212> TYPE: PRT  
139 <213> ORGANISM: Artificial Sequence  
141 <220> FEATURE:  
142 <223> OTHER INFORMATION: Novel Sequence  
144 <400> SEQUENCE: 9

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146 Arg Trp Tyr Arg  
147 1  
150 <210> SEQ ID NO: 10  
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153 <213> ORGANISM: Artificial Sequence  
155 <220> FEATURE:  
156 <223> OTHER INFORMATION: Novel Sequence  
158 <400> SEQUENCE: 10  
160 Arg Trp Ile Arg  
161 1  
164 <210> SEQ ID NO: 11  
165 <211> LENGTH: 4  
166 <212> TYPE: PRT  
167 <213> ORGANISM: Artificial Sequence  
169 <220> FEATURE:  
170 <223> OTHER INFORMATION: Novel Sequence  
172 <400> SEQUENCE: 11  
174 Arg Trp Leu Arg  
175 1  
178 <210> SEQ ID NO: 12  
179 <211> LENGTH: 4  
180 <212> TYPE: PRT  
181 <213> ORGANISM: Artificial Sequence  
183 <220> FEATURE:  
184 <223> OTHER INFORMATION: Novel Sequence  
186 <400> SEQUENCE: 12  
188 Arg Trp Pro Arg  
189 1  
192 <210> SEQ ID NO: 13  
193 <211> LENGTH: 4  
194 <212> TYPE: PRT  
195 <213> ORGANISM: Artificial Sequence  
197 <220> FEATURE:  
198 <223> OTHER INFORMATION: Novel Sequence  
200 <400> SEQUENCE: 13  
202 Arg Trp Val Arg  
203 1  
206 <210> SEQ ID NO: 14  
207 <211> LENGTH: 4  
208 <212> TYPE: PRT  
209 <213> ORGANISM: Artificial Sequence  
211 <220> FEATURE:  
212 <223> OTHER INFORMATION: Novel Sequence  
214 <400> SEQUENCE: 14  
216 Arg Trp Cys Arg  
217 1  
220 <210> SEQ ID NO: 15  
221 <211> LENGTH: 4

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223 <213> ORGANISM: Artificial Sequence  
225 <220> FEATURE:  
226 <223> OTHER INFORMATION: Novel Sequence  
228 <400> SEQUENCE: 15  
230 Arg Trp Met Arg  
231 1  
234 <210> SEQ ID NO: 16  
235 <211> LENGTH: 4  
236 <212> TYPE: PRT  
237 <213> ORGANISM: Artificial Sequence  
239 <220> FEATURE:  
240 <223> OTHER INFORMATION: Novel Sequence  
242 <400> SEQUENCE: 16  
244 Arg Trp Ser Arg  
245 1  
248 <210> SEQ ID NO: 17  
249 <211> LENGTH: 4  
250 <212> TYPE: PRT  
251 <213> ORGANISM: Artificial Sequence  
253 <220> FEATURE:  
254 <223> OTHER INFORMATION: Novel Sequence  
256 <400> SEQUENCE: 17  
258 Arg Trp Thr Arg  
259 1  
262 <210> SEQ ID NO: 18  
263 <211> LENGTH: 4  
264 <212> TYPE: PRT  
265 <213> ORGANISM: Artificial Sequence  
267 <220> FEATURE:  
268 <223> OTHER INFORMATION: Novel Sequence  
270 <400> SEQUENCE: 18  
272 Arg Trp Asn Arg  
273 1  
276 <210> SEQ ID NO: 19  
277 <211> LENGTH: 4  
278 <212> TYPE: PRT  
279 <213> ORGANISM: Artificial Sequence  
281 <220> FEATURE:  
282 <223> OTHER INFORMATION: Novel Sequence  
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286 Arg Trp Gln Arg  
287 1  
290 <210> SEQ ID NO: 20  
291 <211> LENGTH: 4  
292 <212> TYPE: PRT  
293 <213> ORGANISM: Artificial Sequence  
295 <220> FEATURE:  
296 <223> OTHER INFORMATION: Novel Sequence

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Input Set : A:\HER0050.ST25.txt

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299 <220> FEATURE:
300 <221> NAME/KEY: misc_feature
301 <222> LOCATION: (3)..(3)
302 <223> OTHER INFORMATION: Xaa is a naphthylalanine
304 <400> SEQUENCE: 20
> 306 Arg Trp Xaa Arg
307 1
310 <210> SEQ ID NO: 21
311 <211> LENGTH: 4
312 <212> TYPE: PRT
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Novel Sequence
318 <400> SEQUENCE: 21
320 Arg Trp His Arg
321 1
324 <210> SEQ ID NO: 22
325 <211> LENGTH: 4
326 <212> TYPE: PRT
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Novel Sequence
332 <400> SEQUENCE: 22
334 Arg Trp Lys Arg
335 1
338 <210> SEQ ID NO: 23
339 <211> LENGTH: 4
340 <212> TYPE: PRT
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Novel Sequence
346 <400> SEQUENCE: 23
348 Arg Trp Gly Arg
349 1
352 <210> SEQ ID NO: 24
353 <211> LENGTH: 6
354 <212> TYPE: PRT
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Novel Sequence
361 <220> FEATURE:
362 <221> NAME/KEY: misc_feature
363 <222> LOCATION: (6)..(6)
364 <223> OTHER INFORMATION: Xaa is any amino acid
366 <400> SEQUENCE: 24
> 368 Phe Arg Trp Trp His Xaa
369 1 5
372 <210> SEQ ID NO: 25
373 <211> LENGTH: 6

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/882,781B

DATE: 10/30/2003  
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Input Set : A:\HER0050.ST25.txt  
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ase Note:

of n and/or Xaa have been detected in the Sequence Listing. Please review the  
uence Listing to ensure that a corresponding explanation is presented in the <220>  
<223> fields of each sequence which presents at least one n or Xaa.

#:20; Xaa Pos. 3  
#:24; Xaa Pos. 6  
#:25; Xaa Pos. 6  
#:26; Xaa Pos. 6  
#:27; Xaa Pos. 6  
#:28; Xaa Pos. 6,7